CLAIMS

What is claimed is:

1	 A post print finishing device, comprising:
2	a vertically oriented frame;
3	a first output bin mounted to the frame;
4	a sheet flipper mounted to the frame adjacent to the first output bin,
5	the flipper having a receiving port through which a sheet is received into the
6	flipper, a discharge port opposite the receiving port and adjacent to the first
7	output bin through which a sheet is discharged to the first output bin, and a
8	routing port through which a sheet is routed for further processing, the
9	flipper configured to receive a sheet from a printing device and either
10	discharge the sheet leading edge first to the first output bin or route the
11	sheet trailing edge first through the routing port;
12	a second output bin mounted to the frame below the first output bin;
13	a sheet accumulator mounted to the frame below the flipper and
14	adjacent to the second output bin, the accumulator having a receiving port
15	through which sheets routed through the flipper routing port are received into
16	the accumulator, a discharge port through which a stack of sheets is
17	discharged to the second output bin, and a binding port through which a
18	stack of sheets is moved for binding, the accumulator configured to
19	accumulate sheets in a stack, move the stack back and forth through the
20	binding port and discharge the stack to the second output bin through the
21	discharge port; and
22	a binder mounted to the frame, the binder having a pair of heated
23	platens disposed opposite one another adjacent to the accumulator binding
24	port, the platens movable between a first open position in which an edge of
25	the stack of sheets in the accumulator may be inserted between the platens
26	or withdrawn from between the platens and a second compressed positioned
27	in which heat and pressure are applied to the edge of the stack.

2. The device of Claim 1, further comprising a media sheet path
mounted to the frame between the flipper and the accumulator, the path
having a receiving port adjacent to the flipper routing port for receiving a
sheet into the path and a discharge port adjacent to the accumulator
receiving port through which a sheet is discharged to the accumulator, the
path configured to receive a sheet from the flipper and transport the sheet to
the accumulator.

3. A post print finishing device, comprising:

a flipper module;

an accumulator module downstream in a media path from the flipper module;

a binder module operatively coupled to the accumulator module, the binder module operative to bind sheets in a stack by reactivating imaging material applied to sheets in the stack;

an output bin downstream in the media path from the accumulator module; and

the flipper module operative to receive a sheet leading edge first and discharge the sheet trailing edge first and the accumulator module operative to stack sheets discharged from the flipper module, present the stack to the binder module for binding and discharge the bound stack to the output bin.

4. A post print finishing device, comprising:

a support structure having a base and uprights extending vertically from the base;

a first output bin mounted to the uprights;

a second output bin mounted to the uprights below the first output bin:

a first module mounted to the uprights adjacent to the first output bin;

a second module mounted to the uprights below the first module;

a third module mounted to the uprights below the second module and adjacent to the second output bin;

the first module having a first media path through which media sheets are output to the first output bin and a second media path through which media sheets are output to the second module;

the second module having a third media path through which media sheets are received from the first module, stacked, presented to the third module and output to the second output bin; and

the third module having a binder comprising a platen and a press coupled to the platen, the platen movable at the urging of the press between a first position in which the platen is separated from media sheets presented by the second module and a second position in which the platen compresses the media sheets.

- 5. The device of Claim 4, further comprising a fourth module mounted to the uprights between the first and second modules, the fourth module having a fourth media path through which media sheets are received from the first module and output to the second module.
- 6. The device of Claim 4, wherein the platen comprises a heated platen that compresses and heats the media sheets when the platen is in the second position..
- 7. The device of Claim 4, wherein the platen comprises a pair of heated platens that compress and heat the media sheets when the platens are in the second position.
- 1 8. A document production system, comprising:
- 2 a printing device;

11

12

13

14

15

16

17

18

19

20

21

1

2

3

4

1

2

3

1

2

3

- a post print finishing device operatively connected to the printing
 device, the finishing device comprising
- 5 a flipper module,
- an accumulator module downstream in a media path from the flipper module,

a binder module operatively coupled to the accumulator module, the binder module operative to bind sheets in a stack by reactivating imaging material applied to sheets in the stack,

an output bin downstream in the media path from the accumulator module, and

the flipper module operative to receive a sheet leading edge first and discharge the sheet trailing edge and the accumulator module operative to stack sheets discharged from the flipper module, present the stack to the binder module for binding and discharge the bound stack to the output bin.